8. $y = \frac{3}{2}\cos\left(\frac{-\pi}{2}x\right) + \frac{5}{2}$

$= \frac{3}{2}\cos\left(\frac{\pi}{2}x\right) + \frac{5}{2}$

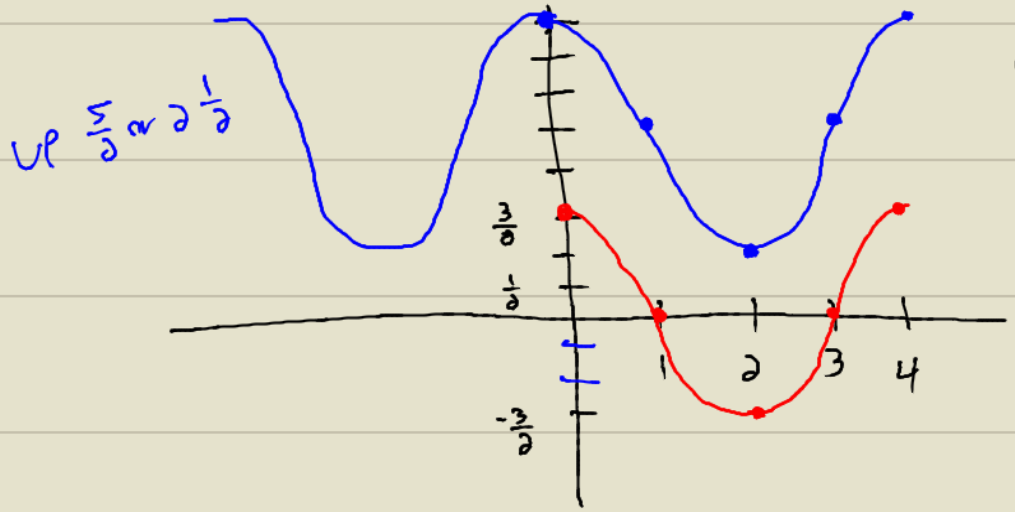
$\frac{3}{2} + \frac{5}{2} = \frac{8}{2}$ or 4

$|a| = \left|\frac{3}{2}\right| = \frac{3}{2}$ up $\frac{5}{2}$ ($2\frac{1}{2}$)

$-\frac{3}{2} + \frac{5}{2} = \frac{2}{2}$ or 1

$P = \frac{2\pi}{b} = \frac{2\pi}{\frac{\pi}{2}} = 2\pi \cdot \frac{2}{\pi} = 4$

	x	$y = \frac{3}{2}\cos\left(\frac{\pi}{2}x\right)$
ZERO	0	$\frac{3}{2}\cos\left(\frac{\pi}{2}\cdot 0\right) = \frac{3}{2}\cos(0) = \frac{3}{2}(1) = \frac{3}{2}$
$\frac{1}{4}$ PERIOD	1	$\frac{3}{2}\cos\left(\frac{\pi}{2}\cdot 1\right) = \frac{3}{2}\cos\left(\frac{\pi}{2}\right) = \frac{3}{2}(0) = 0$
$\frac{1}{2}$ PERIOD	2	$\frac{3}{2}\cos\left(\frac{\pi}{2}\cdot 2\right) = \frac{3}{2}\cos(\pi) = \frac{3}{2}(-1) = -\frac{3}{2}$
$\frac{3}{4}$ PERIOD	3	$\frac{3}{2}\cos\left(\frac{\pi}{2}\cdot 3\right) = \frac{3}{2}\cos\left(\frac{3\pi}{2}\right) = \frac{3}{2}(0) = 0$
PERIOD	4	$\frac{3}{2}\cos\left(\frac{\pi}{2}\cdot 4\right) = \frac{3}{2}\cos(2\pi) = \frac{3}{2}(1) = \frac{3}{2}$



D: $(-\infty, \infty)$

R: $[1, 4]$